two strap-on booster motors. The performance of the vehicle was normal upto 48.5 seconds.

At 48.5 sec. there was a telemetry indication that the first stage ignition command was sent from the onboard computer. However, the ignition of the first stage motor did not occur. Consequently, the flight terminated prematurely at 163 sec. and the objective of the mission of placing the SROSS-1 satellite in orbit could not be achieved.

Two very important new technologies viz. the strap-on staging technology and the closed loop guidance system were to be evaluated in this flight. Of these, the strap-on technology has performed satisfactorily. The closed loop guidance system, the most complex technology incorporated in this flight, which is designed to operate from the second stage onwards could not be evaluated fully due to the premature termination of the flight. The available data in this system has indicated that the inertial guidance system, a key element, has performed satisfactorily.

Telemetry and tracking data received during the flight are being analysed by expert teams to identify the cause of failure and to recommend the modifications to be carried out for achieving a successful ASLV mission as soon as possible.

Based upon analysis carried out so far, the cause for non-ignition of the core motor has been narrowed down to possible malfunctioning of any of the following elements of the ignition system viz. pyro-technique initiator, igniter booster charge which provides energy for sustained ignition of the stage motor, safe arm device, and associated circuitry. All possible failure modes are being analysed and tested rigorously.

The ASLV programme envisages two developmental flights. The second developmental flight of ASLV (ASLV-D2) will take place as per plans.

SHRI NIRMAL CHATTERJEE (West Bengal): The statement does not explain why it fell in the Bay of Bengal.

MR. CHAIRMAN: You can also seek clarifications. Let us dispose of some routine matters. Statement correcting answer to question. Mr. Panja.

STATEMENT BY MINISTER

II. Correcting the reply given in the Rajya Sabha on the 12th March, 1987 to Unstarred Question 1892 regarding royalty to the authors of 'Builders of Modern India' series of books.

THE MINISTER OF STATE OF THE MINISTRY OF INFORMATION AND BROADCASTING (SHRI AJIT PANJA): Sir, I beg to lay on the Table a statement (in English and Hindi) correcting the reply given in the Rajya Sabha on the 12th March, 1987 to Unstarred Question 1892, regarding royalty to the authors of 'Builders of Modern India' series of books. [Placed in Library. *See* No. LT-4206A/87]

MR. CHAIRMAN: Papers to be laid on the Table.

PAPERS LAID ON THE TABLE

Report and Accounts (1985-86) of the Indian Institute of Mass Communication, New Delhi and related papers.

THE MINISTER OF STATE OF THE MINISTRY OF PETROLEUM AND NATURAL GAS (SHRI BRAHM DUTT) ON BEHALF OF THE MINISTER OF STATE OF THE MINISTRY OF INFORMATION AND BROADCASTING (SHRI AJIT PANJA): Sir, I beg to lay on the Table a copy each